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October 1964

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PHOTOGRAPHIC INTERPRETATION REPORT

OAK
MISSION 1012-1
17-20 OCTOBER 1964



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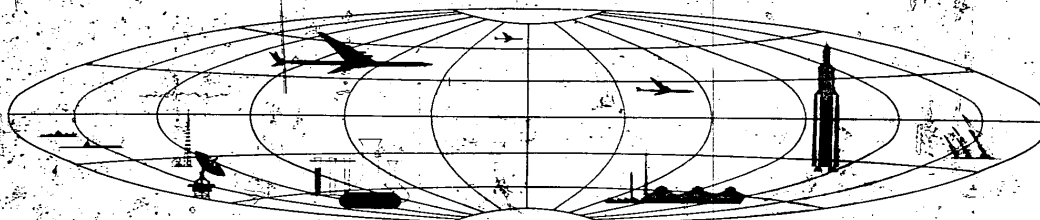
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OAK MISSION 1012-1

PREFACE

THIS IS THE FIRST AND ONLY DAILY OAK REPORT BASED ON MISSION 1012-1 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD 0800 TO 1500, 24 OCTOBER 1964, PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 1012-1 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUD COVER), SC (SCATTERED CLOUD COVER), SD (SEMI-DARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 1012-1 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE, DETAILED ANALYSIS AND REFINEMENT OF EPHEMERIS DATA MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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Highlights

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HIGHLIGHTS

1. COVERAGE OF THE TWENTY-FOUR KNOWN DEPLOYED ICBM COMPLEXES AND TYURATAM MISSILE TEST CENTER IS AS FOLLOWS --
A. CLEAR PHOTOGRAPHY -- ITATKA AND TYUMEN.
B. PARTIALLY COVERED BUT PI HINDERED BY HAZE, SCATTERED-TO-HEAVY CLOUDS AND CLOUD SHADOW -- TYURATAM, ALEYSK, DOMBAROVSKIY, OLOVYANNAYA, SHADRINSK, AND VERKHNYAYA SALDA.
C. PARTIALLY COVERED AND IDENTIFICATION ONLY -- DROVYANAYA, GLADKAYA, IMENI GASTELLO, AND NOVOSIBIRSK.
D. CLOUD COVERED OR NOT COVERED -- KARTALY, KOSTROMA, KOZELSK, OMSK, PERM, PLESETSK, SVOBODNYI, TEYKOVO, UZHUR, YEDROVO, YOSHKAR-OLA, YURYA, AND ZHANGIZ-TOBE.

2. THE PROBABLE AMM ACTIVITY AT LENINGRAD AND THE SUSPECT AMM ACTIVITY AT MOSCOW, ANGARSK, OLENEGORSK AND CHEREPOVETS ARE CLOUD COVERED. THE TALLINN AMM/SAM LAUNCH COMPLEX IS NOT COVERED.

3. TYURATAM MISSILE TEST CENTER [REDACTED] 25X1A

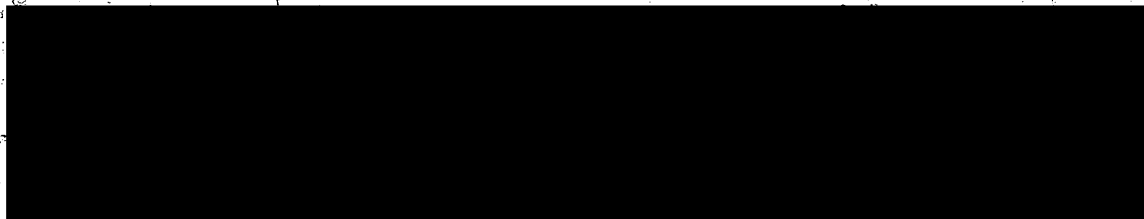
A PROBABLE MISSILE APPROXIMATELY 105 FT LONG IS ERECTED ON PAD C1. THE MISSILE GANTRY AT LAUNCH AREA G5-G6 APPEARS COMPLETE AND APPROXIMATELY 90 FT HIGH. AT COMPLEX J, THE EXCAVATION 3,000 FT NE OF THE END OF THE ROAD HAS BEEN ENLARGED AND NOW IS APPROXIMATELY AS LARGE AS THE BLAST PIT AT A1.

4. DOMBAROVSKIY ICBM COMPLEX [REDACTED] 25X1A

LAUNCH AREA E IS NOW CONFIRMED.

5. SHUANG-CHENG-TZU MISSILE TEST CENTER [REDACTED] 25X1A

AN EXERCISE IS IN PROGRESS AT SSM LAUNCH SITE A1, WITH AN ERECTED PROBABLE MISSILE IN THE CENTER OF THE PAD AND AN EMPTY TRANSPORTER NEARBY. TWENTY-FIVE SWEEP-WING FIGHTERS AND ONE STRAIGHT-WING TRANSPORT ARE PRESENT AT SHUANG-CHENG-TZU AIRFIELD.



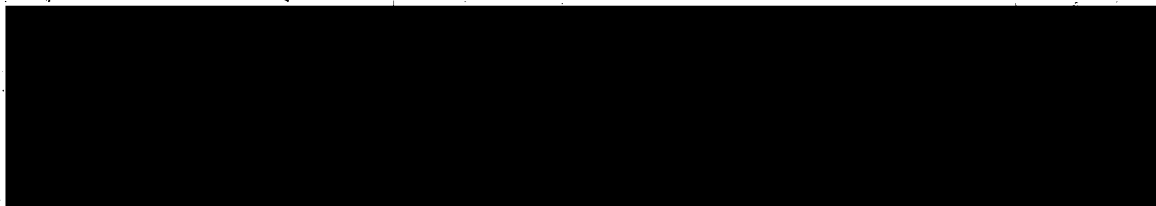
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STATUS OF COMOR TARGET READOUT

A TOTAL OF 60 COMOR TARGETS WAS OBSERVED IN THE OAK REPORTING PERIOD AND ARE COVERED IN THIS OAK AND ARE LISTED IN THE INDEX AT THE CONCLUSION OF THIS REPORT.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

TABLE 1 -- SOVIET ICBM DEPLOYMENT

TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT

TABLE 3 -- SAM AND AMM DEPLOYMENT

TABLE 5 -- AIRCRAFT ACTIVITY

TABLE 6 -- SUBMARINE ACTIVITY

TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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Missiles

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25X1A

MISSILES

VERKHNYAYA SALDA ICBM COMPLEX UR 5802N 06023E

THE ENTIRE COMPLEX IS COVERED BY POOR QUALITY
STEREO PHOTOGRAPHY. THERE IS NO APPARENT
CHANGE IN THE ENTIRE COMPLEX SINCE MISSION [REDACTED]
[REDACTED] NO NEW CONSTRUCTION ACTIVITY IS NOTED.

25X1D 25X1D

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS
OF THE 50-NM RADIUS SEARCH AREA.

25X1D

TYURATAM MISSILE TEST CENTER UR 4550N 06318E

CENTER PARTIALLY COVERED BY GOOD-QUALITY PHOTOGRAPHY.
THE PORTION OF THE RANGEHEAD EAST OF LAUNCH COMPLEX C
IS OBSCURED BY HEAVY CLOUDS. CONSTRUCTION HAS
CONTINUED AT ALL UNFINISHED COMPLEXES AND ALL SINGLE
SILO LAUNCH AREAS ARE STILL IN A MID-STAGE OF
CONSTRUCTION.

LAUNCH COMPLEX A (SITES 1 AND 15) -- TWO LINEAR
OBJECTS ARE ON THE RAILS ADJACENT TO PAD A1.
ONE, ON THE CENTER RAIL TO THE PAD, IS APPROXIMATELY
125 FT LONG. THE OTHER, ON A SIDE RAIL, IS PROBABLY
A CRANE CAR. NO CHANGE IN FACILITIES SINCE

25X1D

LAUNCH COMPLEX B (SITES 2, 16, AND 17) -- NO
SIGNIFICANT CHANGE IN FACILITIES OR CONSTRUCTION
ACTIVITY SINCE MISSION [REDACTED]

25X1D

LAUNCH COMPLEX C (SITE 3) -- A PROBABLE MISSILE
APPROXIMATELY 105 FT LONG IS ERECTED ON PAD C1.
NO CHANGE IN FACILITIES SINCE MISSION [REDACTED]

25X1D

LAUNCH COMPLEX D (SITES 4 AND 9) -- CLOUD COVERED.

LAUNCH COMPLEX E (SITE 6) -- NO APPARENT CHANGE IN
FACILITIES SINCE MISSION [REDACTED]

25X1D

LAUNCH COMPLEX F (SITE 5) -- A RAMP-LIKE EXCAVATION
HAS BEEN DUG FROM THE WEST END OF THE LOOP ROAD

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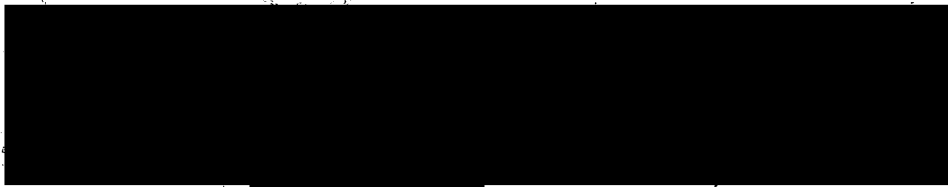
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DOWN TOWARD A PROBABLE SUBSURFACE STRUCTURE JUST
FORWARD OF THE LOOP ROAD AND CENTERED ON THE SILOS.
NO OTHER CHANGE IN FACILITIES SINCE MISSION [REDACTED]

25X1D

25X1D

25X1B



25X1D

25X1D

LAUNCH AREA G3-G4 (SITE 11) -- G3 DOES NOT APPEAR TO
BE COMPLETED. NO OTHER CHANGE IN FACILITIES SINCE
MISSION [REDACTED]

25X1D

LAUNCH AREA G5-G6 (SITE 12) -- THE MISSILE GANTRY
APPEARS TO BE COMPLETE AND IS APPROXIMATELY 90 FT
HIGH. NO OTHER CHANGE IN FACILITIES SINCE MISSION
[REDACTED]

25X1D

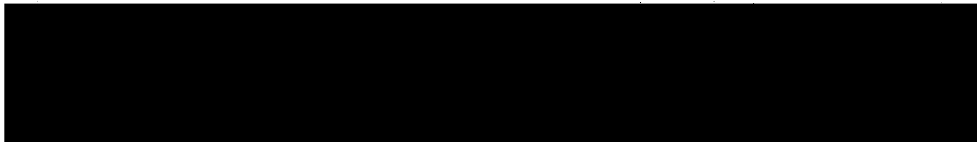
LAUNCH AREA G7 (SITE 18) -- THE ACCESS ROAD HAS
BEEN PARTIALLY LOOPED IN THE VICINITY OF THE SILO.
NO OTHER SIGNIFICANT CHANGE SINCE MISSION [REDACTED]

25X1D

LAUNCH AREA G8-G9 (SITE 19), THE COMPLEX SUPPORT
FACILITY, AND THE REVETTED STORAGE AREA -- NO CHANGE
SINCE MISSION [REDACTED]

25X1D

25X9



LAUNCH COMPLEX H (SITE 8) -- CLOUD COVERED.
LAUNCH COMPLEX I (SITE 14) -- NO SIGNIFICANT
CHANGE SINCE MISSION [REDACTED]

25X1D

COMPLEX J -- THE EXCAVATION LOCATED 3,000 FT NE OF THE
END OF THE ROAD HAS BEEN ENLARGED CONSIDERABLY
SINCE MISSION [REDACTED] AND NOW IS APPROXIMATELY
AS LARGE AS THE BLAST PIT AT A1. A RAMP-LIKE CUT
EXTENDS INTO THE DEEPEST PART OF THE EXCAVATION.

25X1D

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THE SPOIL FROM THE EXCAVATION IS BEING PILED
APPROXIMATELY 1,800 FT NE OF THE EXCAVATION. A WELL
GRADED ROAD FROM THE COMPLEX MAIN ROAD TO THE REAR
OF THE SUPPORT AREA FOR LAUNCH COMPLEX A IS UNDER
CONSTRUCTION. NO OTHER SIGNIFICANT CHANGE SINCE
[REDACTED]

LAUNCH COMPLEX K (SITE 13) -- NO SIGNIFICANT CHANGE
SINCE MISSION [REDACTED]

25X1D

25X9

25X1D

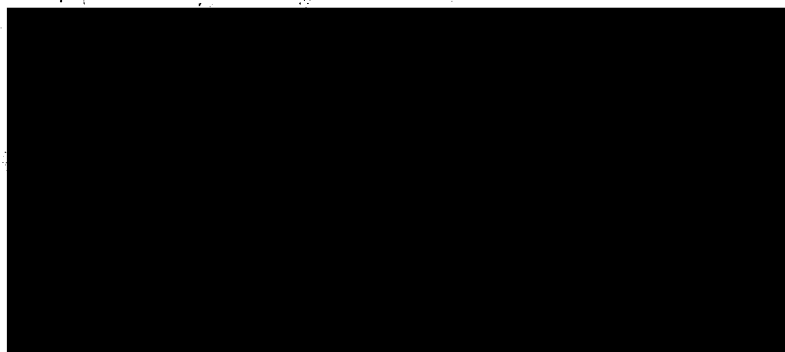
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25X1A

25X1D

DROVYANAYA ICBM COMPLEX UR 5132N 11321E

COMPLEX SUPPORT FACILITY AND LAUNCH AREA F (SITE 6)
ARE IDENTIFICATION ONLY. REMAINDER OF COMPLEX IS
CLOUD-COVERED. EASTERN 40 PERCENT OF SEARCH
AREA IS NOT COVERED. APPROXIMATELY 80 PERCENT
OF COVERED AREA OBSCURED BY HEAVY CLOUDS AND
HAZE. NO ABM ACTIVITY OBSERVED IN CLOUD-FREE AREAS.



25X1D

ITATKA ICBM COMPLEX UR 5650N 08536E

COMPLEX COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY
WITH GROUND SNOW COVER. NO SIGNIFICANT CHANGES
OBSERVED AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD
TRANSFER POINT, LAUNCH AREA A (SITE 1), LAUNCH AREA B
(SITE 2), LAUNCH AREA C (SITE 3), OR THE UNIDENTIFIED
ACTIVITY EAST OF THE COMPLEX SUPPORT FACILITY.

NO NEW CONSTRUCTION OBSERVED.

NO ABM ACTIVITY OBSERVED WITHIN 50-NM RADIUS SEARCH
AREA.



25X1D

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SHADRINSK ICBM COMPLEX UR 5608N 06340E

THE COMPLEX IS COVERED BY POOR-QUALITY STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED] IS APPARENT AT THE RAIL-TO-ROAD TRANSFER POINT, LAUNCH AREA A (SITE 1), LAUNCH AREA B (SITE 2), OR LAUNCH AREA C (SITE 3). THE COMPLEX SUPPORT FACILITY IS IDENTIFIED ONLY. NO NEW CONSTRUCTION OBSERVED. NO ABM ACTIVITY OBSERVED WITHIN THE VISIBLE PORTIONS OF A 50-NM RADIUS SEARCH AREA. ONLY 25-NM RADIUS OF EASTERN ONE-HALF OF SEARCH AREA COVERED BY USABLE PHOTOGRAPHY.

25X1D

25X1D

TYUMEN ICBM COMPLEX UR 5652N 00553E

THE TYUMEN COMPLEX, EXCEPT FOR THE RAIL-TO-ROAD TRANSFER POINT, COMMUNICATIONS SITE, AND UNIDENTIFIED AREA IS COVERED BY CLEAR, NON-STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGES ARE NOTED IN THE COMPLEX SUPPORT FACILITY, OR LAUNCH AREAS A (SITE 3) AND C (SITE 2).

SOUTHERN 80 PERCENT OF 50-NM RADIUS SEARCH AREA COVERED. NO ABM ACTIVITY OBSERVED.

25X1D

25X1A

GLADKAYA ICBM COMPLEX UR 5605N 09213E

THE GLADKAYA ICBM COMPLEX IS COVERED BY POOR-QUALITY STEREO PHOTOGRAPHY. ALL COMPONENTS OF THE COMPLEX ARE IDENTIFICATION ONLY, DUE TO CLOUDS AND HAZE.

NO ABM ACTIVITY OBSERVED IN THE VISIBLE PORTIONS OF A 50-NM SEARCH AREA. ONLY WESTERN ONE-HALF OF THE SEARCH AREA COVERED.

25X1D

25X1A

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BRATSK, SUSPECT SSM AREA UR 5605N 10148E

NORTHERN 60 PERCENT OF 50-NM RADIUS SEARCH AREA NOT COVERED. SOUTHERN PORTION 75 TO 80 PERCENT CLOUD-COVERED. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

NOVOSIBIRSK ICBM COMPLEX UR 5516N 08257E

LAUNCH AREA D (SITE 4) -- IDENTIFICATION ONLY. REMAINDER OF COMPLEX NOT COVERED.

NO ABM ACTIVITY NOTED IN EASTERN 40 PERCENT OF 50-NM RADIUS SEARCH AREA. WESTERN 60 PERCENT NOT COVERED.

25X1D

NERCHINSK SUSPECT SSM AREA UR 5158N 11635E

NO SSM ACTIVITY OBSERVED WITHIN 50-NM RADIUS OF NERCHINSK. APPROXIMATELY 65 PERCENT OF SEARCH AREA IS OBSCURED BY CLOUDS AND HEAVY HAZE.

25X1D

OLOVYANNAYA ICBM COMPLEX UR 5048N 11550E

COMPLEX COVERED BY FAIR-QUALITY STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGE NOTED AT COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, OR LAUNCH AREAS A (SITE 1), B (SITE 2), AND C (SITE 3). CONSTRUCTION CONTINUES AT LAUNCH GROUP D (SITES 4, 5, AND 7-10), AND LAUNCH SITE D2 (SITE 5) IS NOW CONFIRMED. THE PREVIOUSLY REPORTED NEW DITCHING AT THE SUPPORT/CONTROL FACILITY HAS BEEN EXTENDED CONSIDERABLY TO THE WEST TOWARD A PREVIOUSLY UNREPORTED BUILDING.

NO OTHER SIGNIFICANT CHANGES ARE NOTED AT THE LAUNCH SITES OF LAUNCH GROUP D.

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NO ABM ACTIVITY VISIBLE WITHIN 50-NM RADIUS SEARCH AREA.

25X1A

25X1D

DOMBAROVSKIY ICBM COMPLEX UR 5102N 05949E

THE ENTIRE COMPLEX IS COVERED BY POOR-QUALITY STEREO PHOTOGRAPHY. NO APPARENT CHANGE IN LAUNCH AREA A (SITE 4), B (SITE 3), C (SITE 2) AND D (SITE 1) AND THE COMPLEX SUPPORT FACILITY SINCE MISSION [REDACTED] LAUNCH AREA E (SITE 6) IS NOW CONFIRMED. A SILO IS VISIBLE IN A POORLY DEFINED EXCAVATION. A MEDIUM-SIZED BUILDING UNDER CONSTRUCTION AND ONE SMALL BUILDING ARE PRESENT SOUTH OF THE SITE.

25X1D

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF THE 50-NM RADIUS SEARCH AREA.

25X1A

25X1D

ALEYSK ICBM COMPLEX UR 5229N 08243E

COMPLEX CONSISTS OF A COMPLEX SUPPORT FACILITY AND 6 SINGLE SILOS. THE SUPPORT FACILITY IS RELATIVELY UNCHANGED SINCE MISSION [REDACTED] CONSTRUCTION IS CONTINUING ON THE 5 RAIL SPURS 2,000 FT SOUTH OF THE SUPPORT FACILITY AND AT THE RAIL-TO-ROAD TRANSFER POINT ON THE SIDING WEST OF THE SUPPORT FACILITY.

25X1D

LAUNCH AREA A (SITE 1) -- THE LAUNCH AREA LIES WITHIN AN IRREGULAR-SHAPED 6-SIDED LARGE FENCED AREA. FORMS FOR THE SQUARE AREA EAST AND THE RECTANGULAR AREA WEST OF THE SILO ARE IN PLACE. FOUR BUILDINGS ARE SE OF THE SILO. THE LAUNCH AREA IS STILL IN A MIDSTAGE OF CONSTRUCTION.

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LAUNCH AREA B (SITE 2) -- THE LAUNCH AREA IS ENCLOSED WITHIN A SQUARE, FENCED AREA. THE SQUARE AREA EAST AND THE RECTANGULAR AREA WEST OF THE SILO ARE VISIBLE. A SQUARE STRUCTURE IS IN THE SILO EXCAVATION. THREE OR 4 SMALL BUILDINGS ARE LOCATED IN THE FENCED AREA. AT LEAST 6 BUILDINGS ARE LOCATED IMMEDIATELY OUTSIDE THE FENCE. THE LAUNCH AREA IS STILL IN A MIDSTAGE OF CONSTRUCTION.

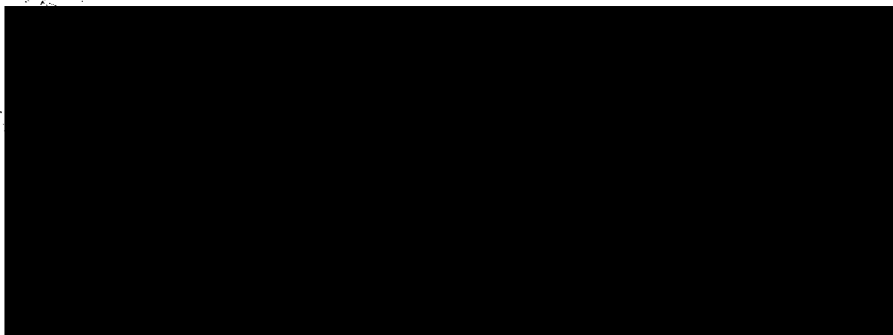
LAUNCH AREA C (SITE 3) -- THE LAUNCH AREA IS STILL IN A MIDSTAGE OF CONSTRUCTION. THE PATTERNS OF THE SQUARE AREA TO THE EAST AND THE RECTANGULAR AREA TO THE WEST ARE PRESENT.

LAUNCH AREA D (SITE 4) -- THE LAUNCH AREA IS STILL IN A MIDSTAGE OF CONSTRUCTION. THE SQUARE AND RECTANGLE ARE VAGUELY EVIDENT. CORING IS ALSO EVIDENT.

LAUNCH AREA E (SITE 5) -- THE LAUNCH AREA IS STILL IN A MIDSTAGE WITH LITTLE CHANGE SINCE MISSION [REDACTED] 25X1D
[REDACTED] THERE IS VAGUE EVIDENCE OF THE RECTANGLE.
A POSSIBLE 7-SIDED FENCE SURROUNDS THE LAUNCH AREA.

LAUNCH AREA F (SITE 6) -- THE LAUNCH AREA IS IN A MIDSTAGE OF CONSTRUCTION. NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED] 25X1D

NO ABM ACTIVITY OBSERVED WITHIN THE 50-NM RADIUS SEARCH AREA.



25X1D

25X1A

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[REDACTED] KARTALY PROBABLE ICBM COMPLEX UR 5303N 06034E
ENTIRE COMPLEX CLOUD-COVERED.

NO ABM ACTIVITY OBSERVED IN WESTERN TWO-THIRDS OF
SEARCH AREA, WHICH IS 65 PERCENT CLOUD-COVERED.

25X1D

[REDACTED] IMENI GASTELLO ICBM COMPLEX UR 5107N 06619E
THE COMPLEX SUPPORT FACILITY AND LAUNCH
AREAS B (SITE 2), C (SITE 3), AND E (SITE 5) ARE
IDENTIFICATION ONLY.

HAZE AND CLOUDS OBSCURE LAUNCH AREAS A (SITE 1)
AND D (SITE 4).

25X1D

[REDACTED] ROZHDESTVENKA MRBM LAUNCH SITE UR 4547N 13343E
IDENTIFICATION ONLY.

25X1D

[REDACTED] SOKAL MRBM LAUNCH SITE 3 UR 5020N 02426E
IDENTIFICATION ONLY.

25X1D

[REDACTED] SOVETSKAYA GAVAN MRBM LAUNCH FACILITY UR 4904N 14007E
NO APPARENT CHANGE SINCE [REDACTED] IN
PAD ARRANGEMENT OR ROAD NETWORK. THE LAUNCH
FACILITY APPEARS COMPLETE. NO ERECTORS OR
VEHICULAR ACTIVITY DISCERNIBLE IN LAUNCH FACILITY.

25X1D

25X1D

25X1A

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TRAKTOVYY IRBM LAUNCH SITE UR 5325N 06223E

25X9

25X1D

NO OTHER APPARENT CHANGE AND NO ACTIVITY OBSERVED
ON POOR QUALITY PHOTOGRAPHY.

25X1D

SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

THE ONLY FACILITIES COVERED AT THE TEST CENTER
ARE POSSIBLE INSTRUMENTATION SITE 15 AND THE
POSSIBLE FIELD LAUNCH POINT AT 46-59-30N 070-10-00E.
NO CHANGE IS DISCERNIBLE AT THE POSSIBLE FIELD
LAUNCH POINT SINCE MISSION [REDACTED] AT

25X1D

POSSIBLE INSTRUMENTATION SITE 15 A NUMBER OF
CHANGES OCCURRED SINCE LAST CLEAR COVERAGE
ON MISSION [REDACTED] APPROXIMATELY 300 FT EAST
OF, PARALLEL TO, AND OFFSET FROM THE UNUSUAL
APPROXIMATELY 230- BY 100-FOOT BUILDING AT THE
SITE, A SECOND BUILDING OF SIMILAR SIZE HAS BEEN
CONSTRUCTED. THE 3 RAISED SECTIONS OR EXTENSIONS
ATTACHED TO THE SOUTH SIDE OF THE OLD BUILDING ARE NOT
DISCERNIBLE ON THE NEW BUILDING. A CONDUIT/
GROUND SCAR EXTENDS FROM THE VICINITY OF THE OLD
BUILDING TO A POINT CLOSE TO THE NEW BUILDING. A
SMALL PROBABLE BUNKER HAS BEEN CONSTRUCTED JUST
WEST OF THE OLD BUILDING AND A HARDSTAND WITH
SEVERAL PROBABLE VEHICLES HAS BEEN CONSTRUCTED
BETWEEN THE TWO BUILDINGS. ONE SMALL BUILDING HAS
BEEN ADDED IN THE SUPPORT AREA AND SOME WORK HAS
BEEN ACCOMPLISHED ON THE INTERFEROMETER SINCE

25X1D

25X1D

25X1D

TOP SECRET CHESS RUFF

Handle Via
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25X1A

[REDACTED] SHUANG-CHENG-TZU MISSILE TEST CENTER CH 4107N 10020E

THE ENTIRE SHUANG CHENG TZU MISSILE TEST CENTER IS COVERED BY CLEAR, FAIR-QUALITY PHOTOGRAPHY.

AN EXERCISE IS UNDERWAY AT SSM LAUNCH SITE A-1. IT CONSISTS OF AN ERECTED PROBABLE MISSILE IN THE CENTER OF THE PAD, AN EMPTY TRANSPORTER, AND AT LEAST 6 ASSOCIATED VEHICLES/PIECES OF EQUIPMENT. TWO ADDITIONAL VEHICLES ARE ON THE HARDSTAND IN THE FINAL ASSEMBLY AREA APPROXIMATELY 0.5 NM TO THE REAR OF THE PAD. AT LEAST TWO POSITIONS ARE OCCUPIED AT LAUNCH SITE A IN THE SAM LAUNCH COMPLEX. IN ADDITION, THERE IS EQUIPMENT IN THE GUIDANCE AREA, A PIECE OF EQUIPMENT ON THE INTERNAL ROAD NETWORK, AND 6 VEHICLES/PIECES OF EQUIPMENT IN THE HOLD AREA. ALL EQUIPMENT HAS BEEN REMOVED FROM LAUNCH SITE B SINCE MISSION [REDACTED] RAIL CARS CAN BE

25X1D

OBSERVED IN BOTH THE POSSIBLE PROPELLANT HANDLING AND STORAGE AREAS AND IN THE SSM AND SAM ASSEMBLY AND CHECKOUT COMPLEX. TWENTY-FIVE SWEEP-WING FIGHTERS AND ONE STRAIGHT-WING TRANSPORT ARE PRESENT AT SHUANG-CHENG-TZU AIRFIELD. THERE IS NO APPARENT CHANGE IN THE LAUNCH OR SUPPORT FACILITIES OR THE AIRFIELD AT THE MISSILE TEST CENTER SINCE MISSION [REDACTED]

25X1D

[REDACTED]
25X1D

25X1A

[REDACTED] TAI-YUAN PROB SOLID PROPELLANT TEST FAC CH 3759N 11233E
NO APPARENT CHANGE SINCE MISSION [REDACTED]

25X1D

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NO OPERATIONAL ACTIVITY OBSERVED.

25X1D

25X1A

ISFARA SUSPECT SOLID PROPELLANT FACILITY UR 4007N 07034E

THE 4 BUILDINGS REPORTED UNDER CONSTRUCTION ON MISSION [REDACTED] ARE NOW APPARENTLY COMPLETE. A SMALL AREA IN THE NE CORNER OF THE COMPOUND HAS BEEN WALLED OFF. THIS SEPARATELY SECURED CORNER CONTAINS ONE BUILDING AND 2 UNIDENTIFIED STRUCTURES, POSSIBLY TANKS. A SMALL SERVICE AREA NORTH OF AND OUTSIDE THE SECURED PRODUCTION AREA HAS APPARENTLY BEEN FENCED. THE DITCH SYSTEM BETWEEN THE PRODUCTION AND STORAGE AREAS HAS BEEN EXTENDED. NO OTHER APPARENT CHANGE SINCE MISSION [REDACTED]

25X1D

25X1D

25X1D

VERKHNYAYA SALDA STATIC TEST FACILITY UR 5810N 06057E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED] THE BLAST MARK OBSERVED AT THE TEST BUILDING ON MISSION [REDACTED] IS STILL VISIBLE. TWO ADDITIONAL BLAST MARKS AT THE TEST BUILDING ARE NEWLY OBSERVED. HAZE LIMITS INTERPRETATION.

25X1D

25X1D

25X1D

MAKINSK SUSPECT SSM AREA UR 5234N 07026E

SOUTHERN 60 PERCENT OF 50-NM RADIUS SEARCH AREA NOT COVERED. NORTHERN PORTION APPROXIMATELY 70 PERCENT CLOUD COVERED. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

25X1A

SEVERNYY SUSPECT SSM AREA UR 6845N 06430E

AREA APPROXIMATELY 95 PERCENT CLOUD COVERED.

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

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NPIC/R-920/64

NO SSM ACTIVITY NOTED IN CLOUD-FREE PORTIONS.

25X1D

25X1A

KOKCHETAV SUSPECT SSM AREA UR 5317N 06930E

WESTERN 30 PERCENT OF 50-NM SEARCH AREA NOT COVERED. EASTERN PORTION APPROXIMATELY 75 PERCENT CLOUD-COVERED. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

KUZNETSK SUSPECT SSM AREA UR 5307N 04636E

NORTHERN 50 PERCENT OF SEARCH AREA NOT COVERED. SOUTHERN PORTION APPROXIMATELY 40 PERCENT CLOUD COVERED. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

RUBTSOVSK SUSPECT SSM AREA UR 5130N 08115E

NO SSM-RELATED ACTIVITY OBSERVED IN EASTERN 60 PERCENT OF 50-NM RADIUS SEARCH AREA. WESTERN 40 PERCENT NOT COVERED.

25X1D

KOMSOMOLSK SHIPYARD AMUR 199 UR 5033N 13702E

IDENTIFICATION ONLY.

25X1D

YOKANGA NAVAL BASE AND SHIP REPAIR YARD UR 6804N 03932E

AT LEAST 4 VESSELS OBSERVED.

HAZE AND SEMIDARKNESS PRECLUDE IDENTIFICATION OF

TOP SECRET CHESS RUFF

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TALENT-KEYHOLE
Control System Only

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TCS-8470/64
NPIC/R-920/64

25X1D

VESSELS BY TYPE.

[REDACTED]

25X1A

SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263 UR 4858N 14017E

VESSELS -- 3 W/R-CLASS SS, 4 PROBABLE W/R-CLASS SS,
ONE SVERDLOV-CLASS CL, 7 DD, 3 DE, AND NUMEROUS
MINOR COMBATANT VESSELS, INCLUDING 6 PROBABLE PGMG.

NO APPARENT CHANGE IN FACILITIES SINCE MISSION [REDACTED]

25X1D

25X1D

25X1D

CHOKURDAKH SUSPECT ABM AREA UR 7037N 14753E

SEARCH AREA 95 PERCENT CLOUD FREE. NO ABM
ACTIVITY OBSERVED IN CLOUD FREE AREAS.

25X1D

KIGILYAKH SUSPECT ABM AREA UR 7325N 13959E

SEARCH AREA IS 95 PERCENT CLOUD COVERED. NO
ABM-ASSOCIATED ACTIVITY OBSERVED.

25X1D

KOSISTYY SUSPECT ABM RADAR UR 7337N 10945E

NO ABM ELECTRONIC FACILITIES OBSERVED IN
CLOUD-FREE AREAS.

25X1D

[REDACTED]

**Air
Facilities**

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

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25X1A

AIR FACILITIES

ENGELS AIRFIELD UR 5129N 04611E

AIRFIELD ONLY PARTIALLY COVERED. NO AIRCRAFT
OBSERVED IN VISIBLE PORTIONS.

25X1D

BORZYA AIRFIELD NORTHWEST UR 5024N 11623E

HEAVY HAZE PRECLUDES IDENTIFICATION OF AIRCRAFT
OR COMPLETE AIRCRAFT COUNT.

AIRCRAFT -- AT LEAST 5 PROBABLE AIRCRAFT.

25X1D

BARANOVICHI AIRFIELD UR 5306N 02603E

AIRCRAFT -- 24 BADGER AND 5 PROBABLE BLINDER
OBSERVED IN CLOUD-FREE AREAS.

25X1D

SPASSK-DALNIY AIRFIELD EAST UR 4437N 13253E

HAZE AND SCATTERED CLOUDS PRECLUDE COUNT AND
IDENTIFICATION OF AIRCRAFT.

25X1D

ALEKSEYEVKA AIRFIELD UR 4915N 14014E

AIRCRAFT -- 51 BADGER (4 ON NW END OF ALERT
APRON, 3 ON CROSS-OVER ALERT APRON, 37 ON LOOPED
TAXIWAY HARDSTANDS, ONE ON CROSSOVER HARDSTAND,
6 ON NW TAXIWAY HARDSTANDS), AND ONE LIGHT STRAIGHT-
WING ON SE ALERT APRON.

NO NEW CONSTRUCTION OR EVIDENCE OF NUCLEAR STORAGE
OBSERVED ON GOOD-QUALITY, CLEAR PHOTOGRAPHY.

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25X1D

25X1A

KARSHI AIRFIELD SOUTH UR 3849N 06545E

NO AIRCRAFT OBSERVED.

25X1D

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

Next 5 Page(s) In Document Exempt

**Naval
Activity/
Ports**

Handle Via
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TOP SECRET CHESS RUFF

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NPIC/R-920/64

NAVAL ACTIVITY/PORTS

HSIA-MEN NAVAL BASE & PORT FACILITIES CH 2427N 11805E

NO MAJOR VESSELS OBSERVED.

OBLIQUITY AND HEAVY CLOUDS PRECLUDE DETAILED
INTERPRETATION.

25X1D

TA-FU TAO NAVAL FACILITY CH 2905N 12150E

NO VESSELS, PORT FACILITIES, OR CONSTRUCTION
ACTIVITY OBSERVED.

25X1D

SHAN-TOU NAVAL BASE CH 2321N 11640E

NUMEROUS UNIDENTIFIED SMALL CRAFT IN THE AREA.

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

NO NUCLEAR OR MISSILE-ASSOCIATED FACILITIES
OBSERVED WITHIN 5-NM RADIUS. SEARCH AREA IS
APPROXIMATELY 20 PERCENT OBSCURED BY SCATTERED
CLOUDS.

FAIR-TO-GOOD-QUALITY STEREO COVERAGE.

25X1D

KLAIPEDA NAVAL BASE AND SHIPYARD UR 5542N 02108E

IDENTIFICATION ONLY.

25X1A

25X1D

25X2

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Complexes

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TOP SECRET CHESS RUFF

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25X1A

COMPLEXES

PAO-TOU COMPLEX CH 4036N 11001E

ONLY EASTERN HALF OF COMPLEX COVERED.

NO SMOKE FROM ALUMINUM PLANT OR OTHER MINOR
INDUSTRY IN COMPLEX OBSERVED.

25X1D

25X1A

BARNAUL COMPLEX UR 5320N 08347E

ENTIRE COMPLEX COVERED BY GOOD-QUALITY PHOTOGRAPHY.

NO MAJOR CONSTRUCTION OBSERVED.

25X1D

TOP SECRET CHESS RUFF

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**Other
Activity**

Handle Via
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TOP SECRET CHESS RUFF

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TCS-8470/64
NPIC/R-920/64

25X1A

OTHER ACTIVITY

HSIAO-CHIA-CHI NATL DEF LINE CONSTR CH 4713N 13343E

NO ACTIVITY OBSERVED.

25X1D

ZHUKOVKA SENSITIVE OPERATIONS COMPLEX UR 5333N 03357E

UNIDENTIFIED CONSTRUCTION ACTIVITY UNDERWAY JUST
NORTH OF THE MAIN SUPPORT AREA. POOR IMAGE
QUALITY PRECLUDES FURTHER INTERPRETATION.

25X1D

KORFOVSKIY PROB SENSITIVE OPERATIONS CPLX UR 4811N 13503E

NO SIGNIFICANT CHANGE SINCE MISSION [REDACTED]
EXCEPT IN POSITION OF SEVERAL PIECES OF THE
PREVIOUSLY REPORTED ROLLING STOCK AND OF VEHICLES
WITHIN THE TRANSPORTATION FACILITY.

25X1D

EXCELLENT-QUALITY STEREO PHOTOGRAPHY.

25X1D

BELEV AREA SENSITIVE OPERATIONS COMPLEX UR 5332N 03630E

COMPLEX APPROXIMATELY 80 PERCENT OBSCURED BY
CLOUDS AND CLOUD SHADOW. NO APPARENT CHANGES
IN MAIN SUPPORT AREA OR RAIL FACILITY. ONLY
ONE OF THE PREVIOUSLY REPORTED EXCAVATIONS IS
VISIBLE. THE EXCAVATION IS LONG AND NARROW,
MUCH LIKE THOSE IN WHICH BUNKERS WERE CONSTRUCTED
AT MIKHAYLOVKA AND BORISOGLEBSK. ROAD
CONSTRUCTION SE OF COMPLEX CONTINUES.

25X1D

Handle Via
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Index

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TOP SECRET CHESS RUFF

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TCS-8470/64
NPIC/R-920/64

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST BY TARGET
NUMBER OF ALL COMOR TARGETS OBSERVED DURING THE SCAN
OF MISSION 1012-1.

COMOR	INSTALLATION NAME	CTY	COORDINATES	OAK
	VERKHNYAYA SALDA ICBM COMPLEX	UR	5802N 06023E	I
	TYURATAM MISSILE TEST CENTER	UR	4550N 06318E	I
	DROVYANAYA ICBM COMPLEX	UR	5132N 11301E	I
	ITATKA ICBM COMPLEX	UR	5650N 08536E	I
	SHADRINSK ICBM COMPLEX	UR	5608N 06340E	I
	TYUMEN ICBM COMPLEX	UR	5652N 06553E	I
	GLADKAYA ICBM COMPLEX	UR	5605N 09213E	I
	BRATSK SUSPECT SSM AREA	UR	5605N 10148E	I
	NOVOSIBIRSK ICBM COMPLEX	UR	5516N 08257E	I
	NERCHINSK, SUSPECT SSM AREA	UR	5158N 11635E	I
	OLOVYANNAYA ICBM COMPLEX	UR	5048N 11550E	I
	DOMBAROVSKIY ICBM COMPLEX	UR	5102N 05949E	I
	ALEYSK ICBM COMPLEX	UR	5229N 08243E	I
	KARTALY PROBABLE ICBM COMPLEX	UR	5303N 06034E	I
	IMENI GASTELLO ICBM COMPLEX	UR	5107N 06619E	I
	ROZHDESTVENKA MRBM LAUNCH SITE	UR	4547N 13343E	I
	SOKAL MRBM LAUNCH SITE 3	UR	5020N 02426E	I
	SOVETSKAYA GAVAN, MRBM LAUNCH FACILITY	UR	4904N 14007E	I
	TRAKTOVYY IRBM LAUNCH SITE	UR	5325N 06223E	I
	SARY-SHAGAN ANTIMISSILE TEST CENTER	UR	4602N 07334E	I
	SHUANG-CHENG-TZU MISSILE TEST CENTER	CH	4107N 10020E	I
	TAI-YUAN PROB SOLID PROPELLANT TEST FAC	CH	3759N 11233E	I
	ISFARA SUSPECT SOLID PROPELLANT FACILITY	UR	4007N 07034E	I
	VERKHNYAYA SALDA STATIC TEST FACILITY	UR	5810N 06057E	I
	MAKINSK SUSPECT SSM AREA	UR	5234N 07026E	I
	SEVERNYY SUSPECT SSM AREA	UR	6845N 06430E	I
	KOKCHETAV SUSPECT SSM AREA	UR	5317N 06930E	I
	KUZNETSK SUSPECT SSM AREA	UR	5307N 04636E	I
	RUBTSOVSK SUSPECT SSM AREA	UR	5130N 08115E	I
	KOMSOMOLSK SHIPYARD AMUR 199	UR	5033N 13702E	I
	YOKANGA NAVAL BASE AND SHIP REPAIR YARD	UR	6804N 03932E	I
	SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263	UR	4858N 14017E	I
	CHOKURDAKH SUSPECT ABM AREA	UR	7037N 14753E	I
	KIGILYAKH, SUSPECT ABM AREA	UR	7325N 13959E	I
	KOSISTYY SUSPECT ABM RADAR	UR	7337N 10945E	I
	ENGELS AIRFIELD	UR	5129N 04611E	I
	BORZYA AIRFIELD NORTHWEST	UR	5024N 11623E	I

25X1A

TOP SECRET CHESS RUFF

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TCS-8470/64
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25X1A

BARANOVICHI AIRFIELD
SPASSK-DALNIY AIRFIELD EAST
ALEKSEYEVKA AIRFIELD
KARSHI AIRFIELD SOUTH

25X2

UR 5306N 02603E I
UR 4437N 13253E I
UR 4915N 14014E I
UR 3849N 06545E I

HSIA-MEN NAVAL BASE & PORT FACILITIES
TA-FU TAO NAVAL FACILITY
SHAN-TOU NAVAL BASE
KLAIPEDA NAVAL BASE AND SHIPYARD

25X2

CH 2427N 11805E I
CH 2905N 12150E I
CH 2321N 11640E I
UR 5542N 02108E I

PAO-TOU COMPLEX
BARNAUL COMPLEX
HSIAO-CHIA-CHI NATL DEF LINE CONSTR

CH 4036N 11001E I
UR 5320N 08347E I
CH 4713N 13343E I

25X1D

Attachments

TOP SECRET CHESS RUFF

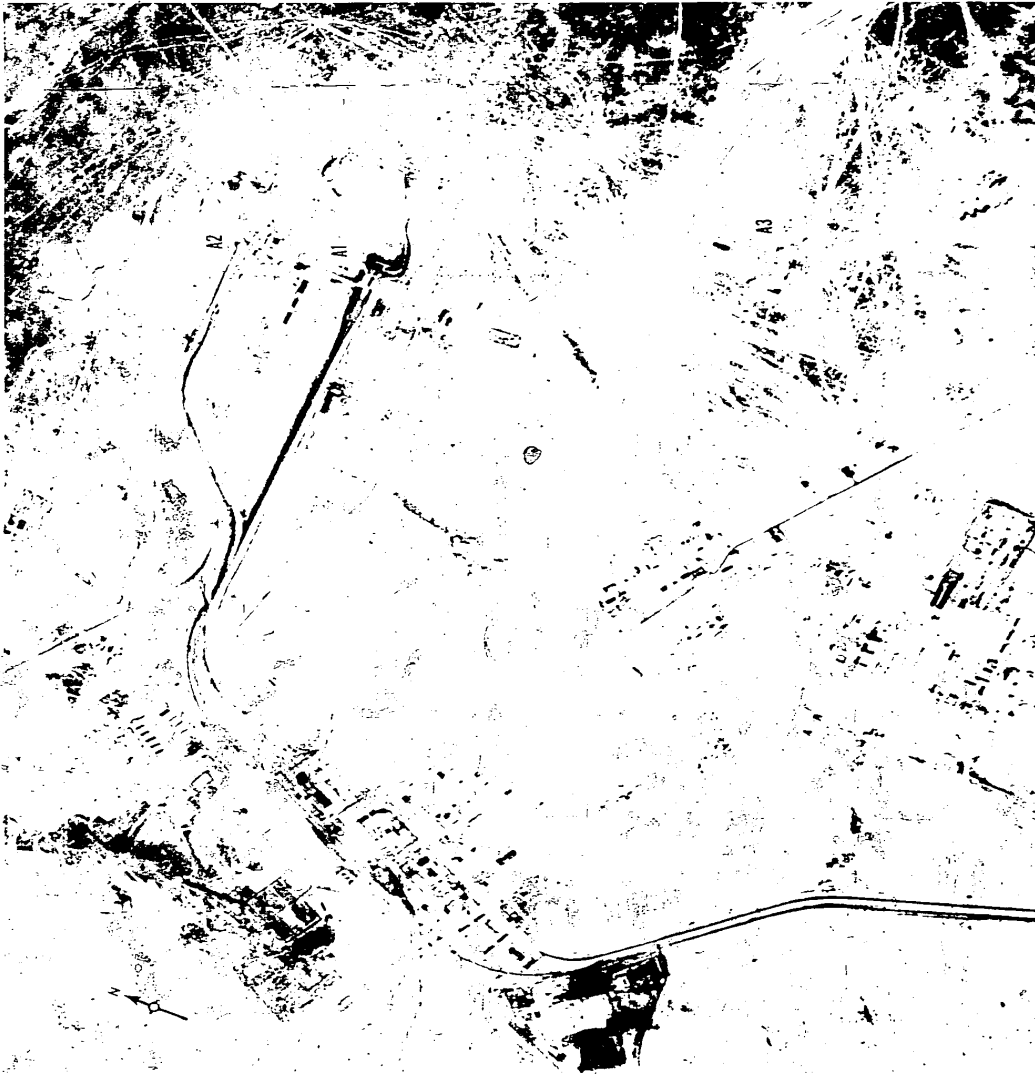
Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470/64

NPIC/R-920/64

ATTACHMENT 1



LAUNCH COMPLEX A, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4881 (10/64)

Handle Via
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Control System Only

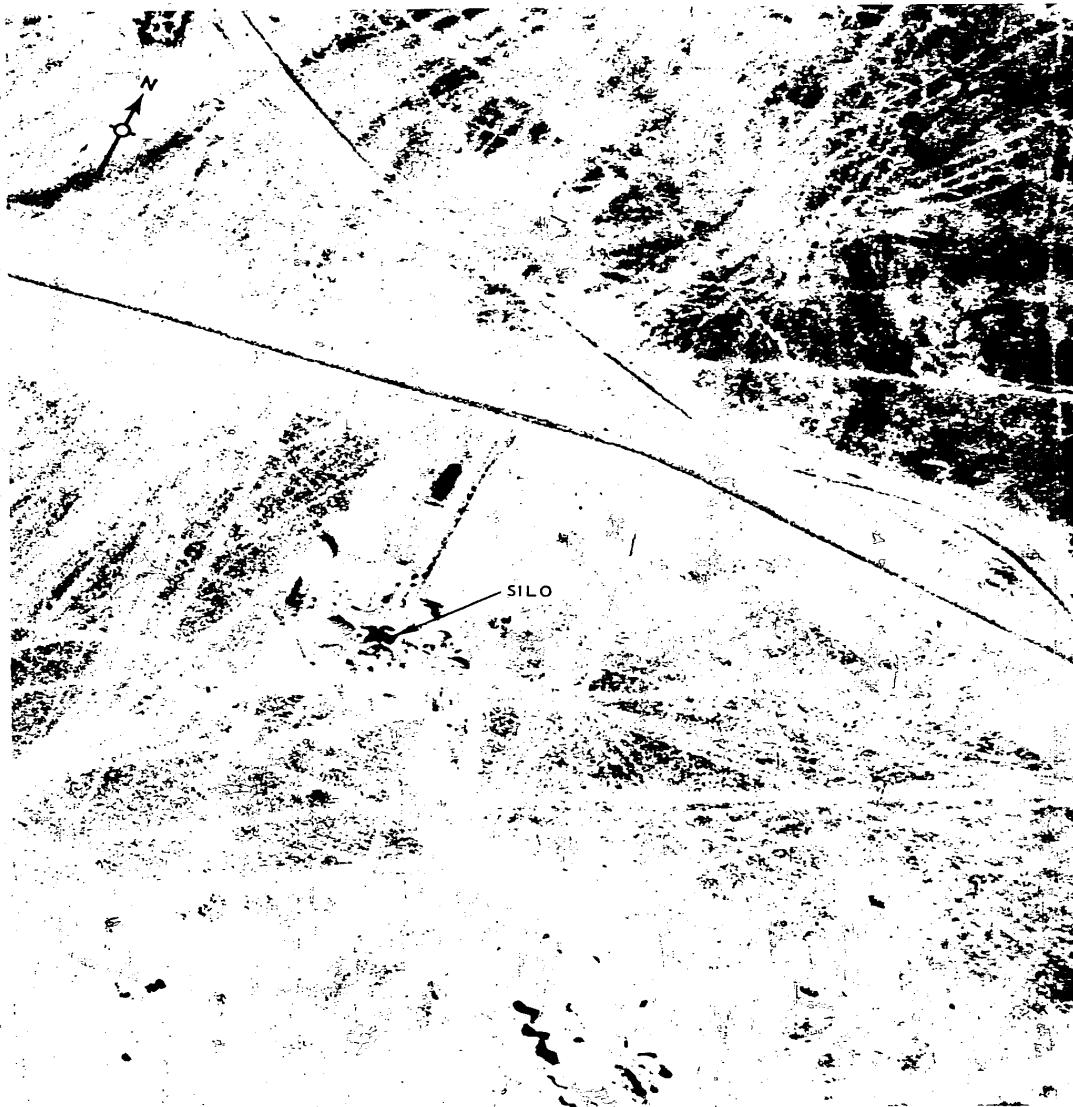
TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF

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TCS-8470. 64
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ATTACHMENT 2



LAUNCH AREA A3, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4882 (10/64)

TOP SECRET CHESS RUFF

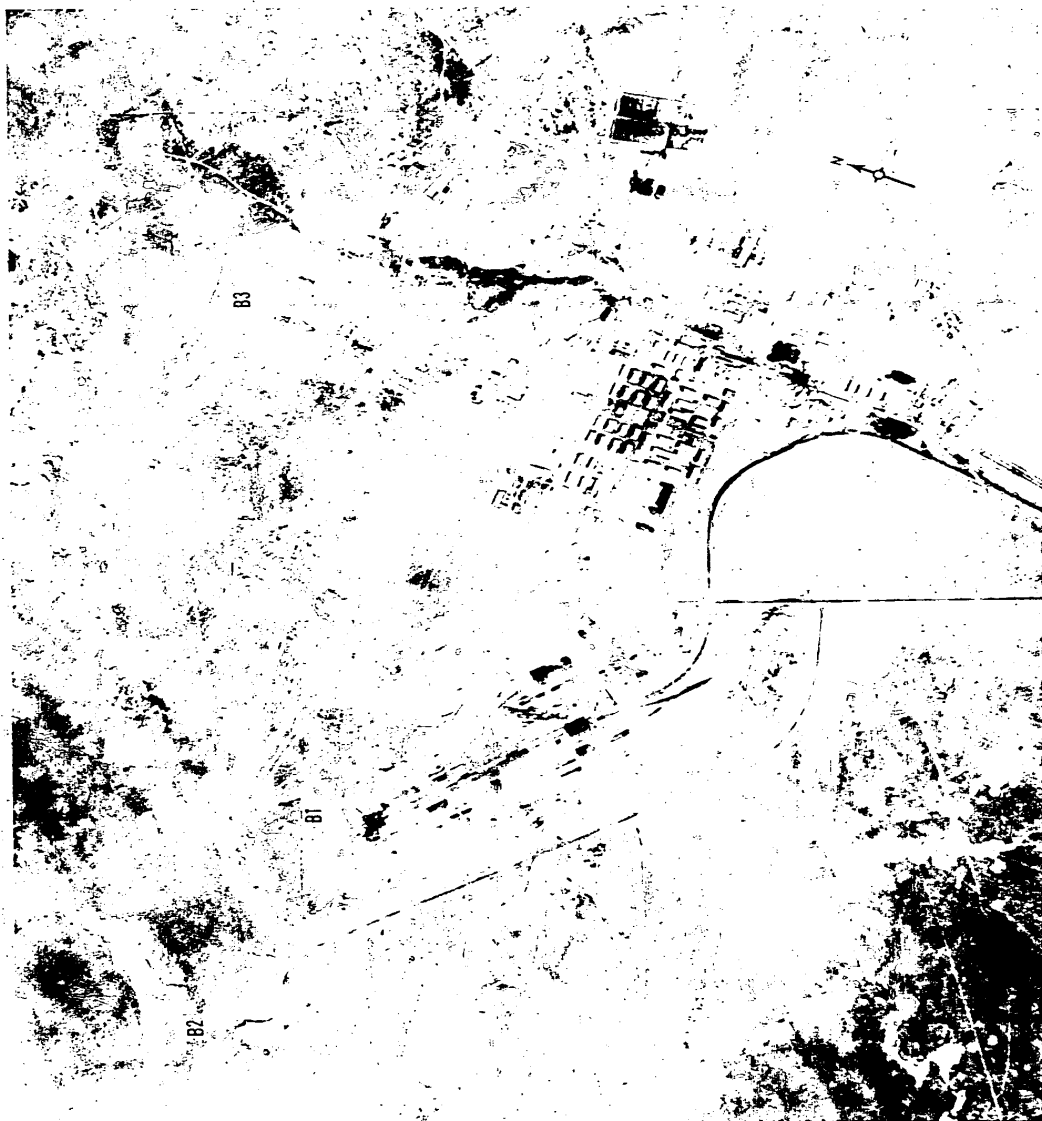
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TOP SECRET CHESS RUFF

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Control System Only

TCS-8470/64
NPIC/R-920/64
ATTACHMENT 3



LAUNCH COMPLEX B, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4883 (TD/64)

TOP SECRET CHESS RUFF

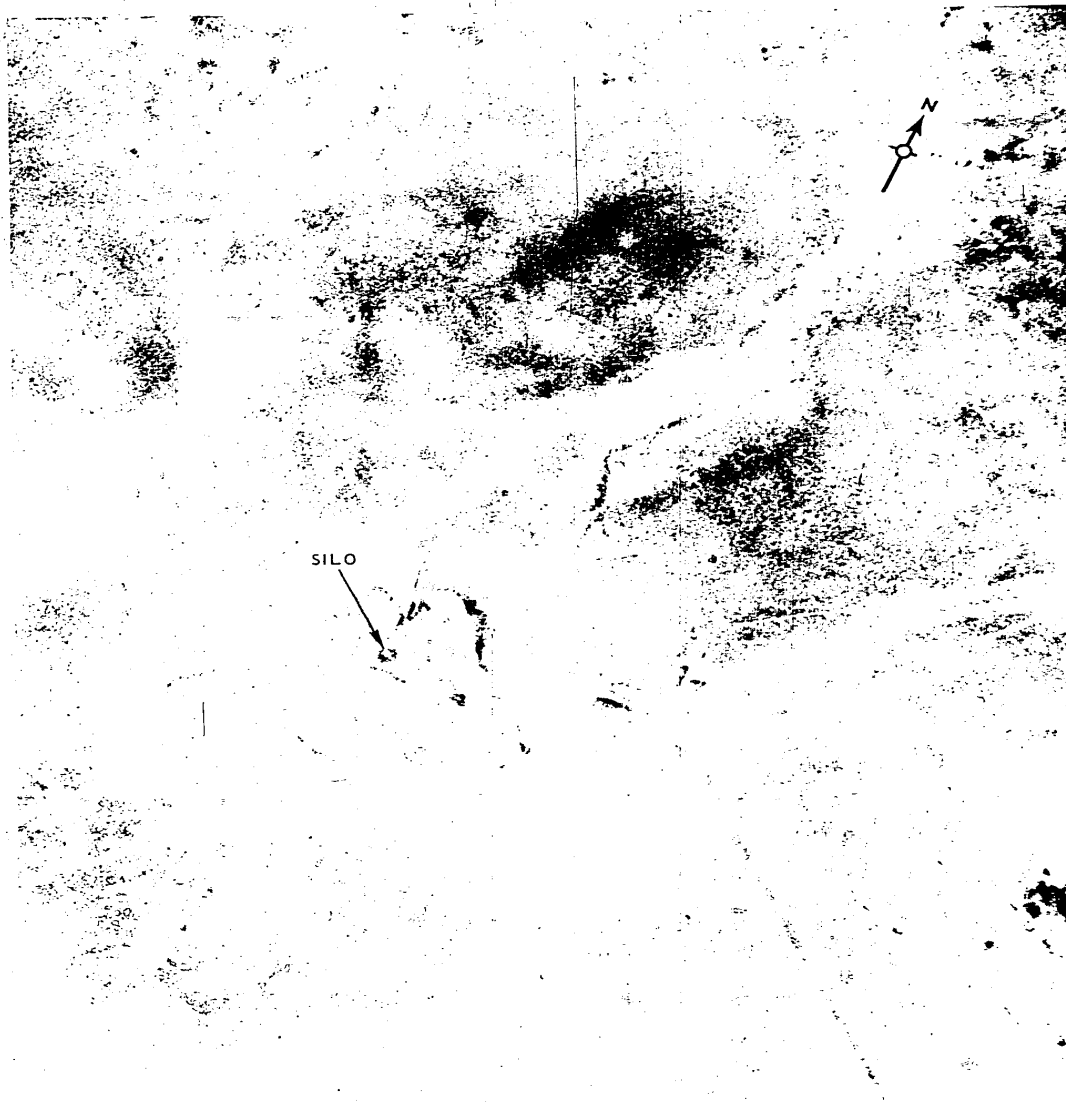
Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

MISSION 1012-1, 17-20 OCTOBER 1964

Handle Via
TALENT-KEYHOLE
Control System Only

TCS-8470.64
NPIC R-920.64
ATTACHMENT 4



LAUNCH AREA B2, TYURATAM MISSILE TEST CENTER, USSR

NPIC 2-4884 (10/64)

TOP SECRET CHESS RUFF

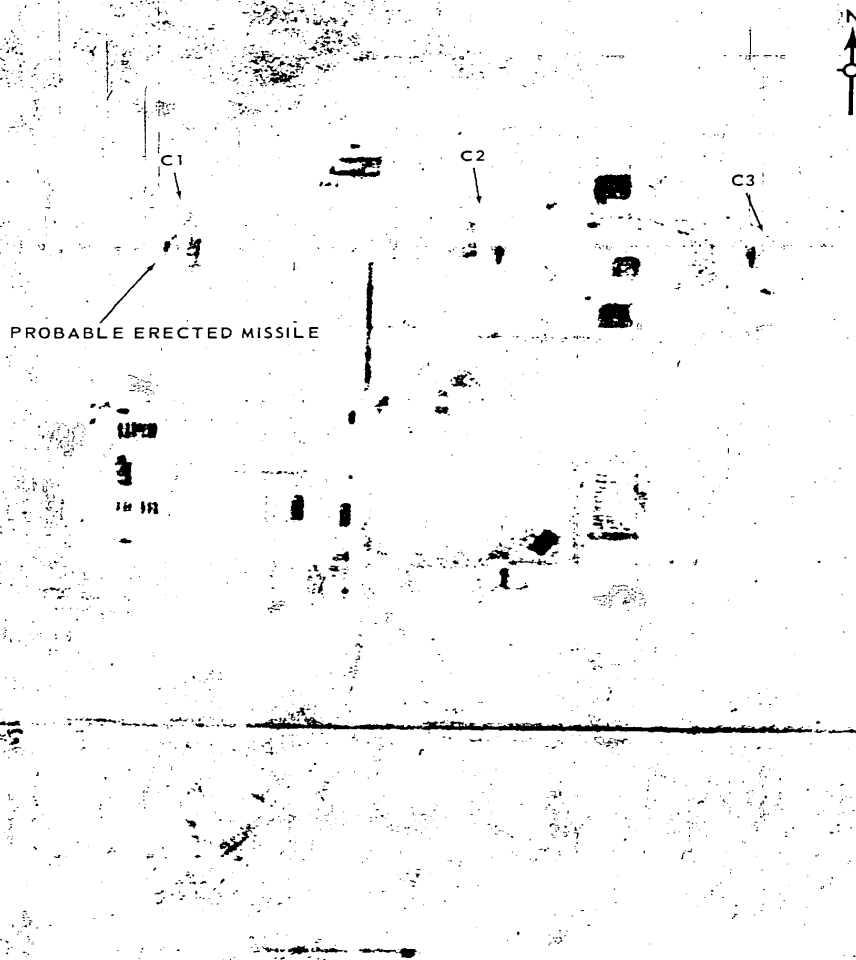
Handle Via
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TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470/64
NPIC/R-920/64
ATTACHMENT 5



LAUNCH COMPLEX C, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4885 (10/64)

TOP SECRET CHESS RUFF

Handle Via
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TOP SECRET CHESS RUFF

MISSION 1012-1, 17-20 OCTOBER 1964

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Control System Only

TCS-8470-64
NPIC/R-920/64
ATTACHMENT 6



LAUNCH COMPLEX F, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4886 (10/64)

TOP SECRET CHESS RUFF

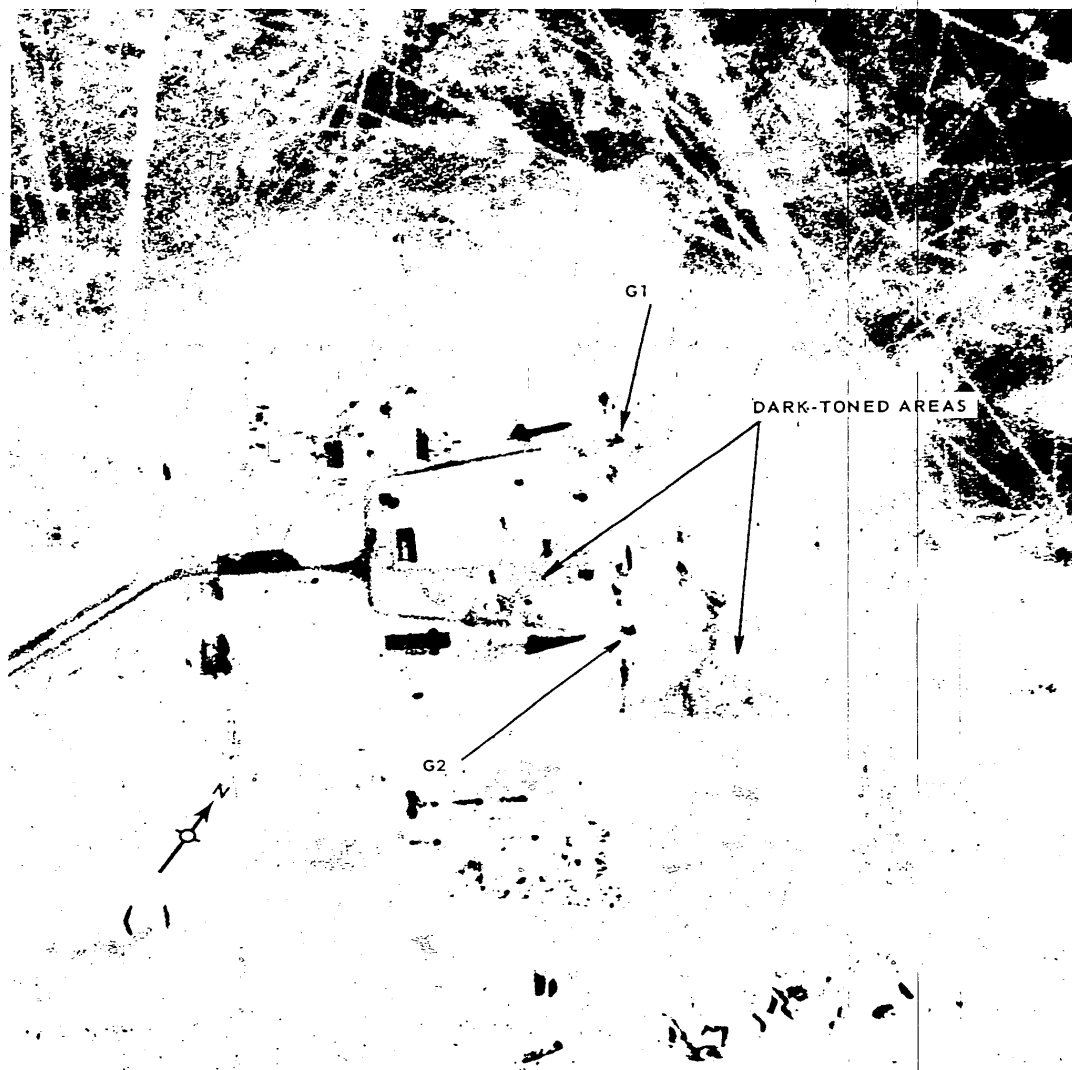
Handle Via
TALENT-KEYHOLE
Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470/64
NPIC R-920/64
ATTACHMENT 7



LAUNCH AREA G1-G2, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4887 (12/64)

TOP SECRET CHESS RUFF

Handle Via
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TOP SECRET CHESS RUFF

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470/64
NPIC/R-920/64
ATTACHMENT 8



LAUNCH AREA G3-G4, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4888 (10/64)

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

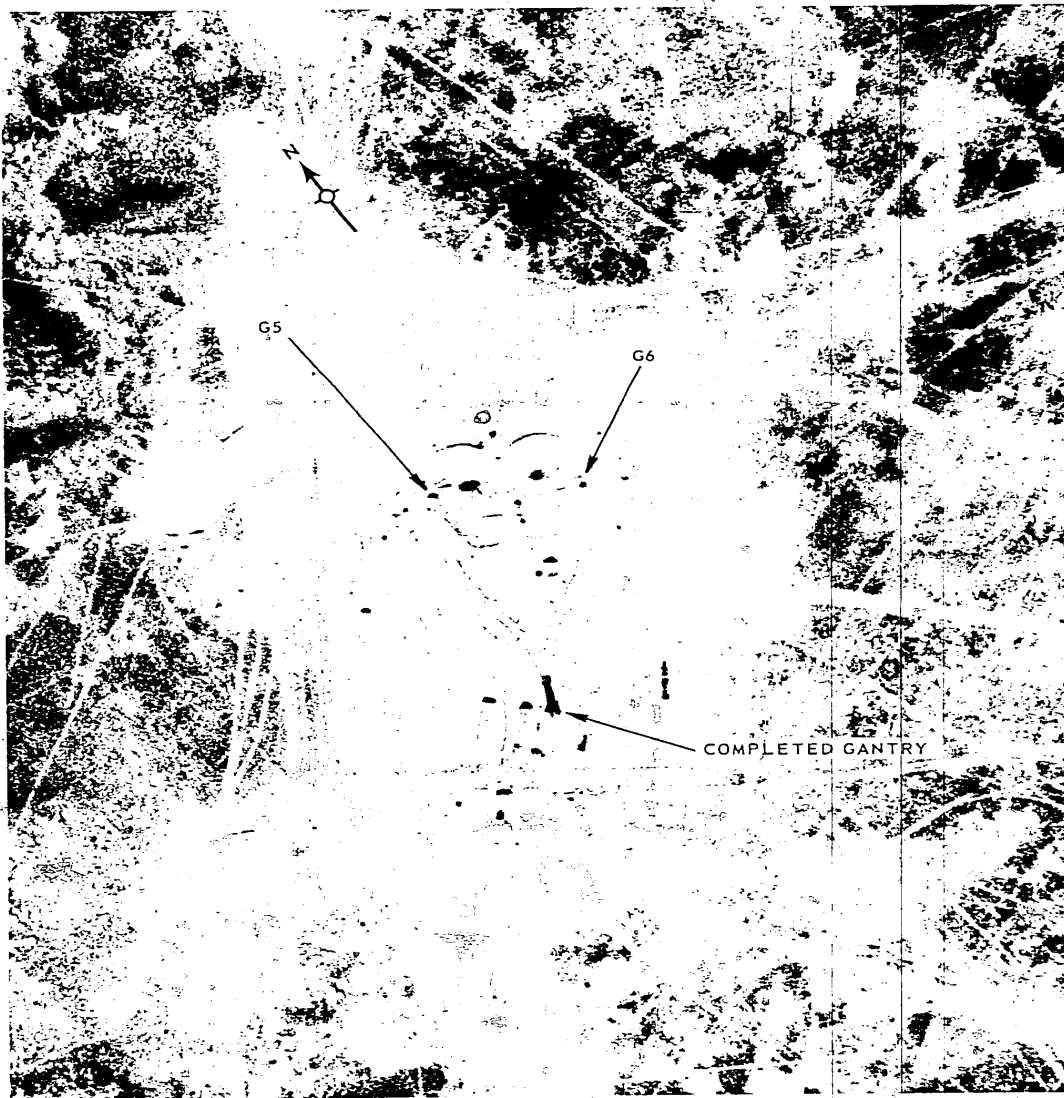
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Handle Via
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TCS-8470 64

NPIC R-920/64

ATTACHMENT 9



LAUNCH AREA G5-G6, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4889 (10/64)

TOP SECRET CHESS RUFF

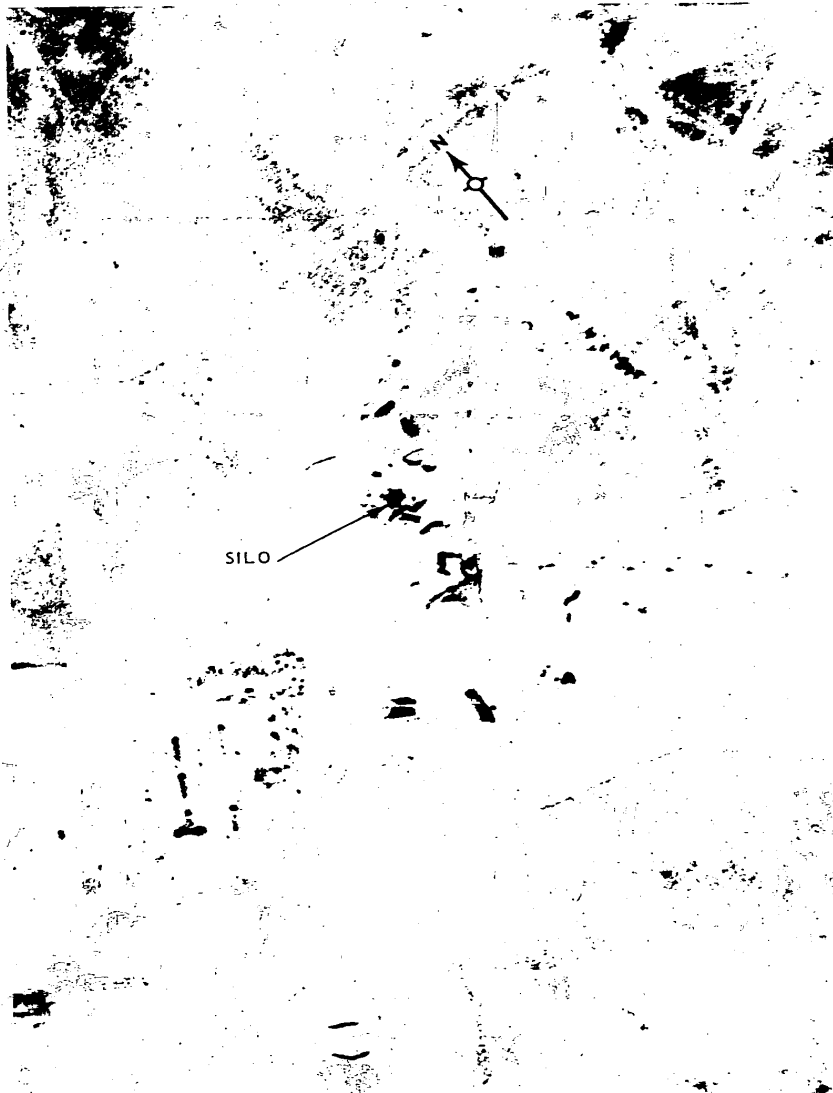
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Control System Only

TOP SECRET CHESS RUFF

MISSION 1012-1, 17-20 OCTOBER 1964

Handle Via
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Control System Only

TCS-8470/64
NPIC/R-920/64
ATTACHMENT 10



LAUNCH AREA G7, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4890 (10/64)

TOP SECRET CHESS RUFF

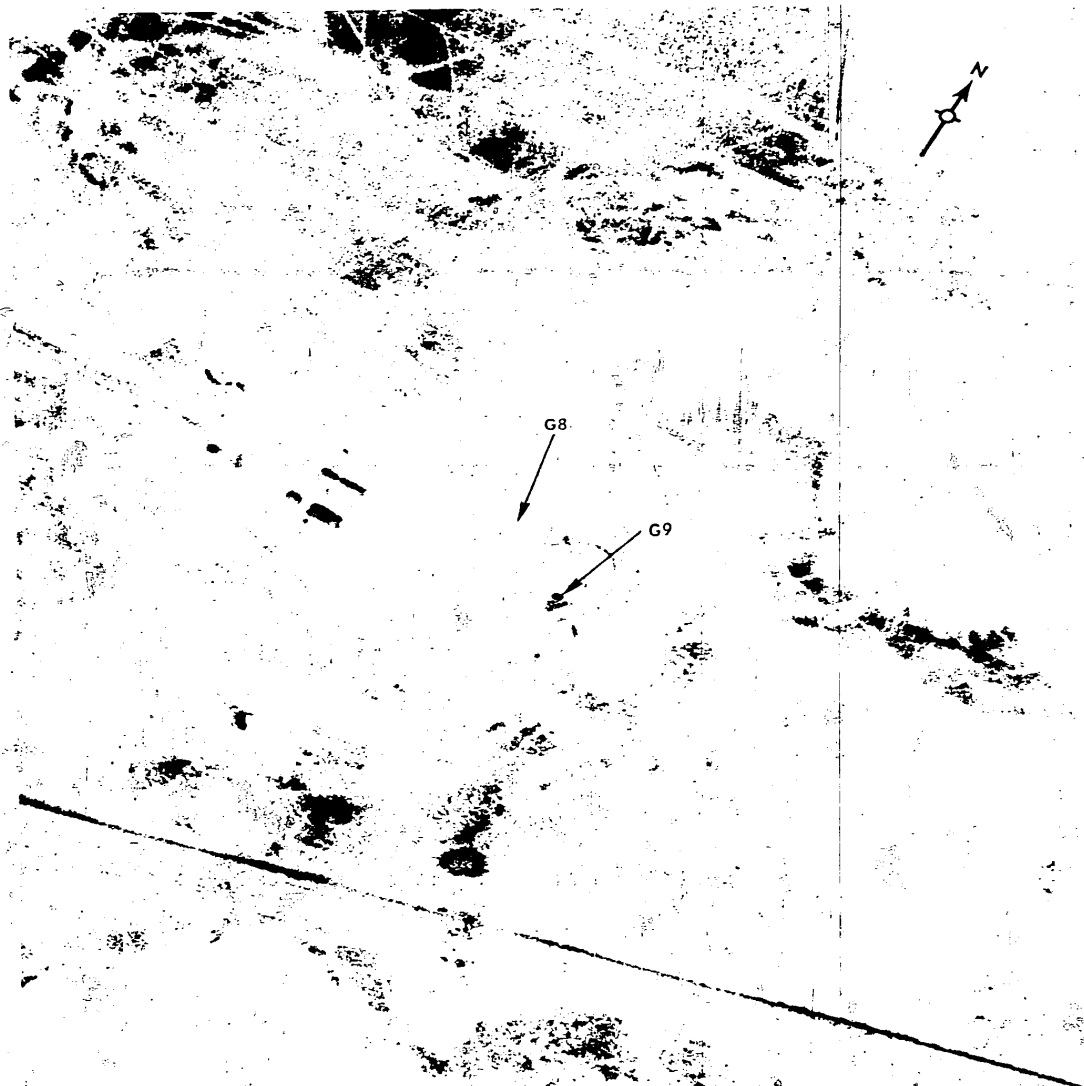
Handle Via
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Control System Only

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1012-1; 17-20 OCTOBER 1964

TCS-8470/64
NPIC/R-920/64
ATTACHMENT 11



LAUNCH AREA G8-G9, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4891 (10/64)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470, 64

NPIC/R-920/64

ATTACHMENT 12



COMPLEX SUPPORT FACILITY, LAUNCH COMPLEX G, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4892 (11/0/64)

TOP SECRET CHESS RUFF

Handle Via
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25X2

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TOP SECRET CHESS RUFF

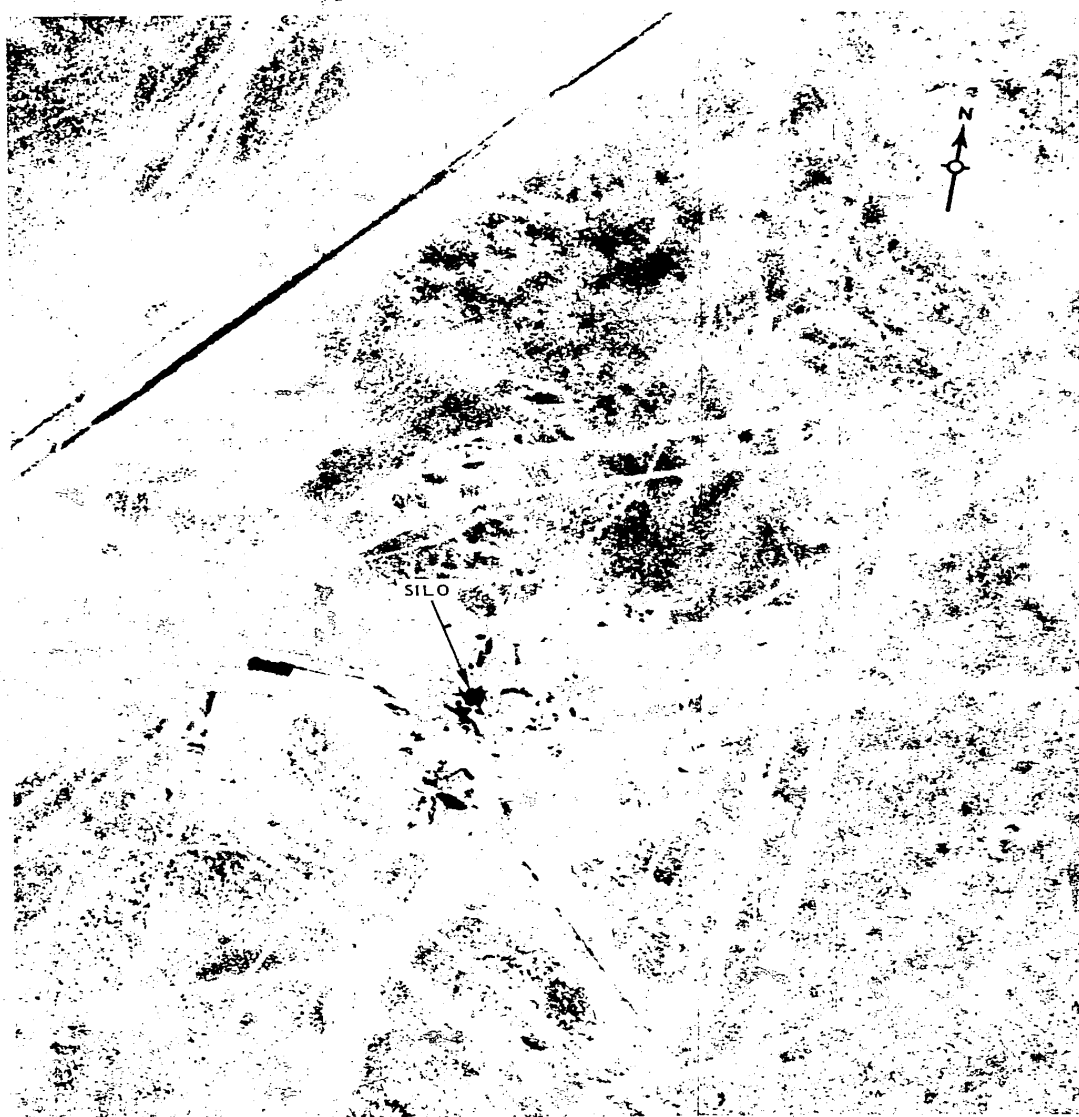
Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470/64

NPIC R-920/64

ATTACHMENT 14



LAUNCH COMPLEX I, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4834 (10/64)

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470/64

NPIC/R-920/64

ATTACHMENT 15



COMPLEX J, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4895 (10/64)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

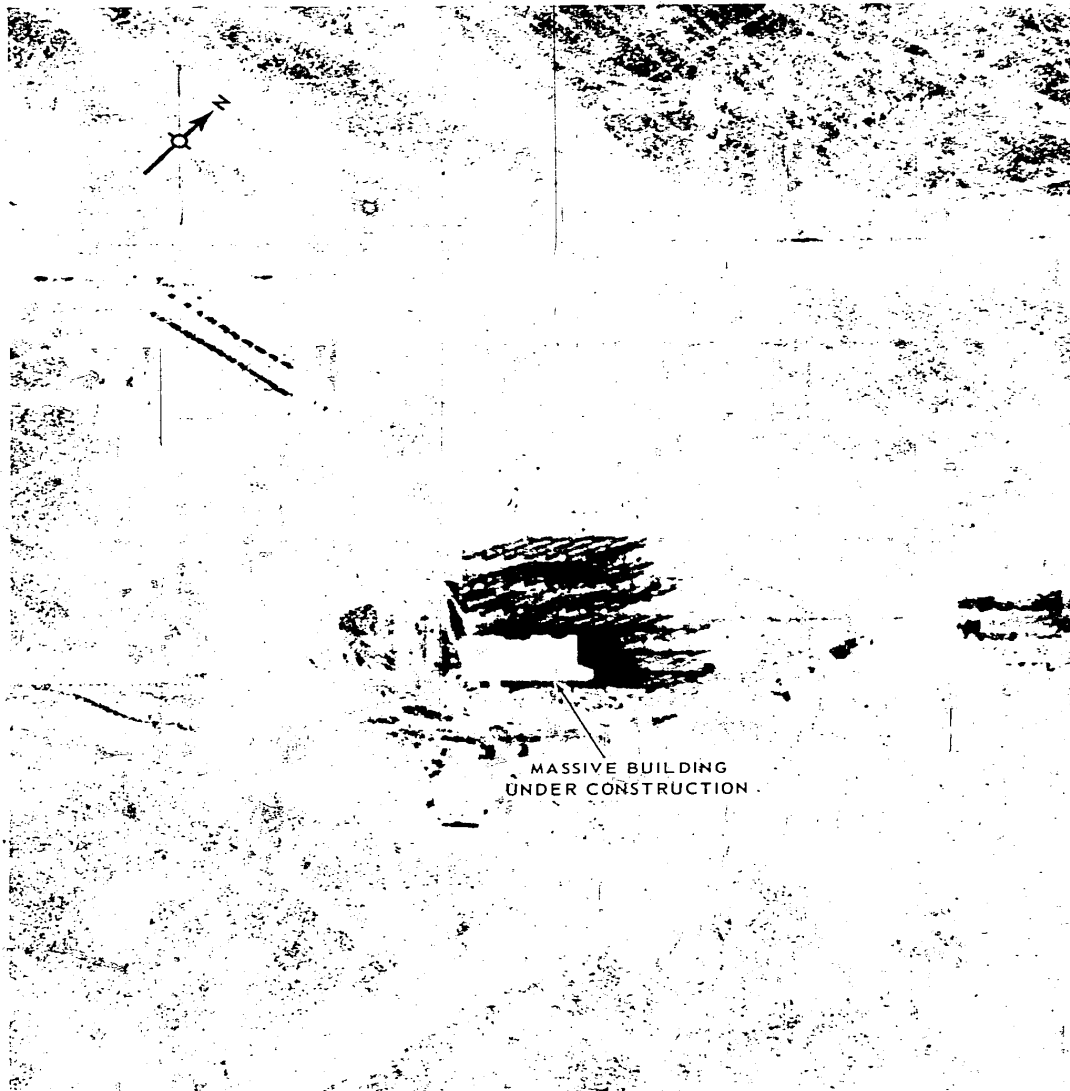
Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470/64

NPIC/R-920/64

ATTACHMENT 16



MASSIVE BUILDING
UNDER CONSTRUCTION

MASSIVE BUILDING UNDER CONSTRUCTION, COMPLEX J, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-4896 (10/64)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

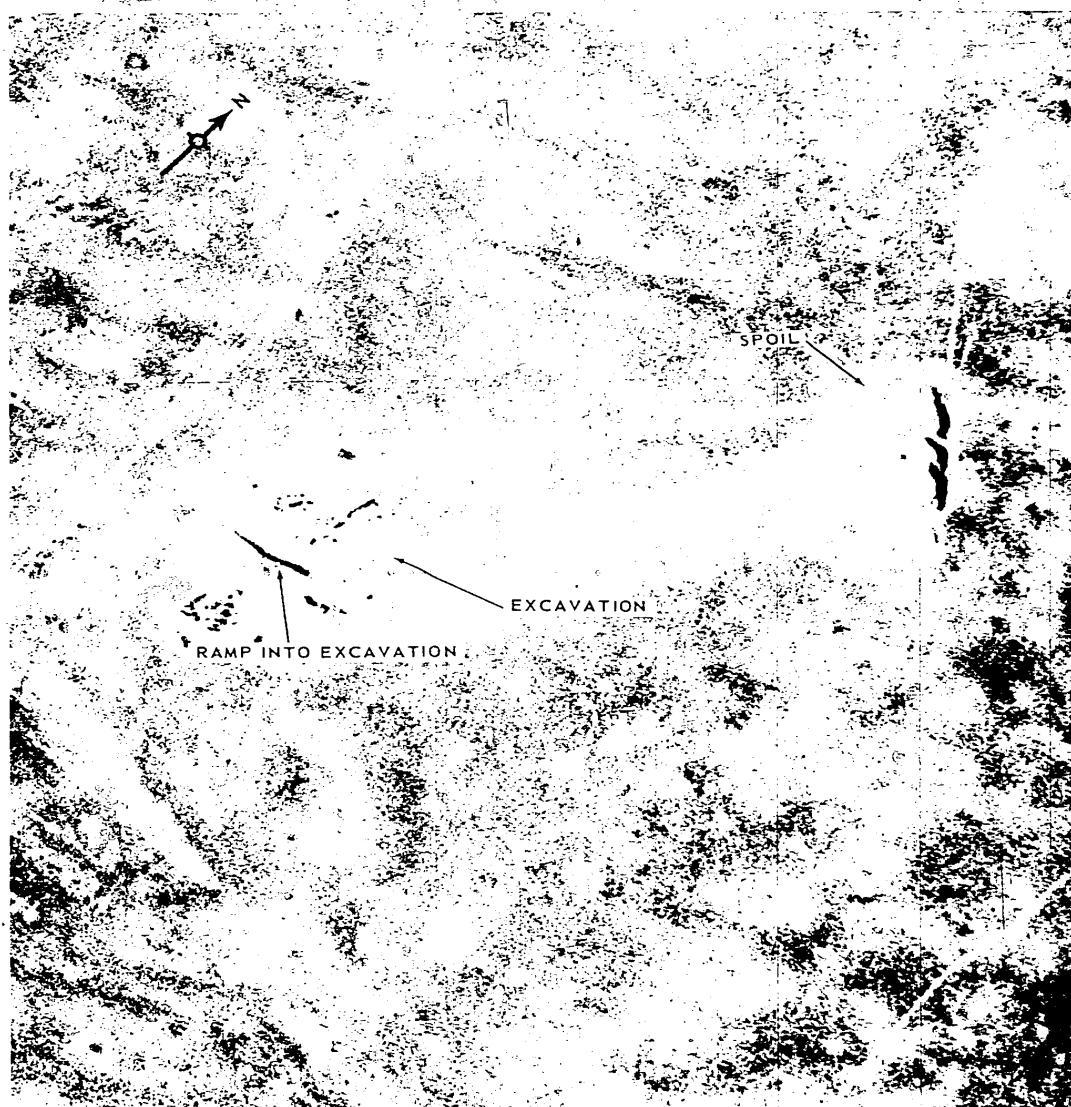
TOP SECRET CHESH RUFF

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470/64

NPIC/R-920/64

ATTACHMENT-17



NPIC J-4897 (10/64)

CONSTRUCTION ACTIVITY NEAR COMPLEX J, TYURATAM MISSILE TEST CENTER, USSR

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESH RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470/64

NPIC/R-920/64

ATTACHMENT 18



LAUNCH COMPLEX K, TYURATAM MISSILE TEST CENTER; USSR

NPIC J-4898 (10/64)

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

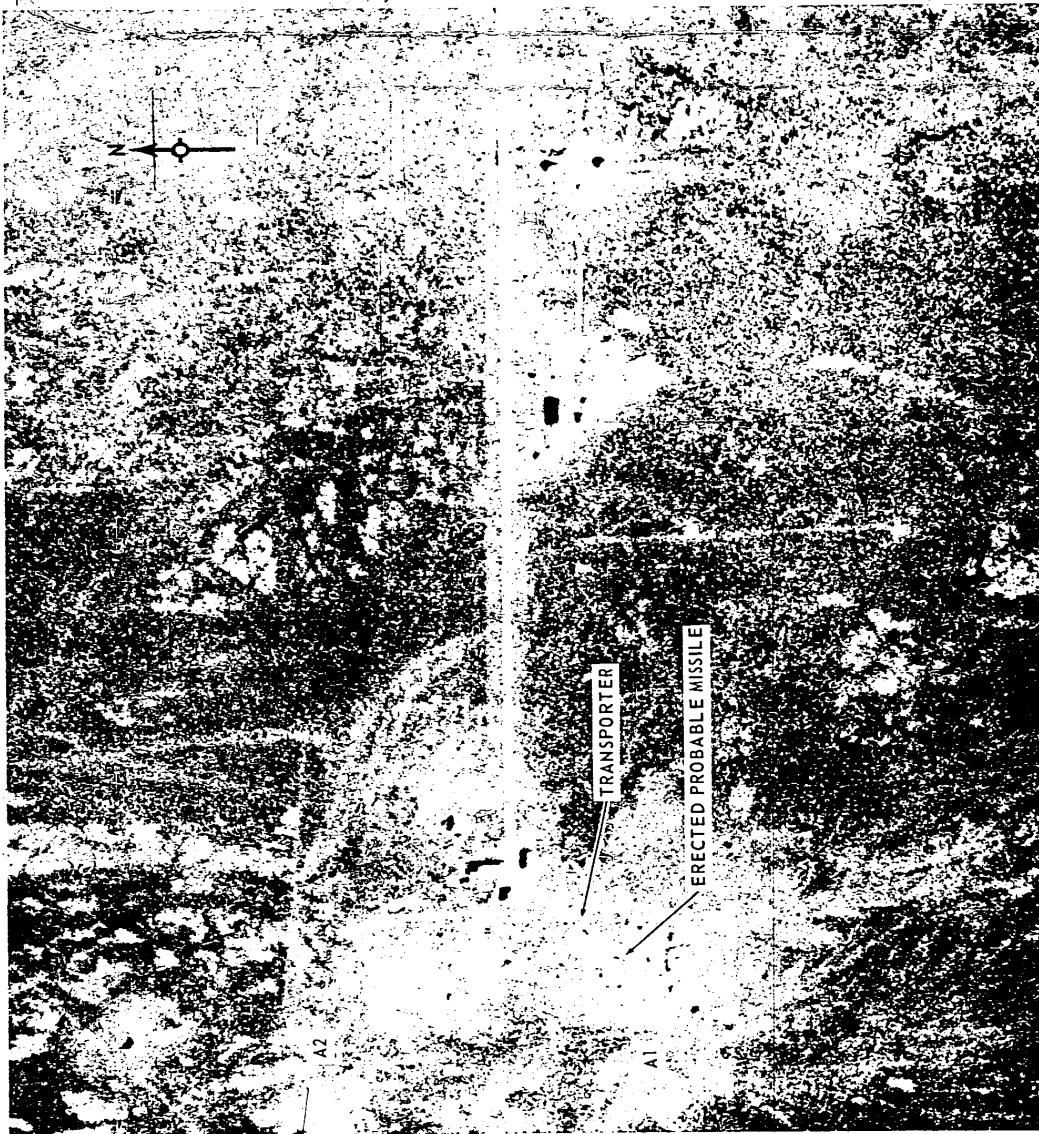
MISSION 1012-1, 17-20 OCTOBER 1964

Handle Via
TALENT-KEYHOLE
Control System Only

TCS-8470/64

NPIC R-920/64

ATTACHMENT 19



SSM LAUNCH COMPLEX A, SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA

NPIC J-4809 (10/64)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

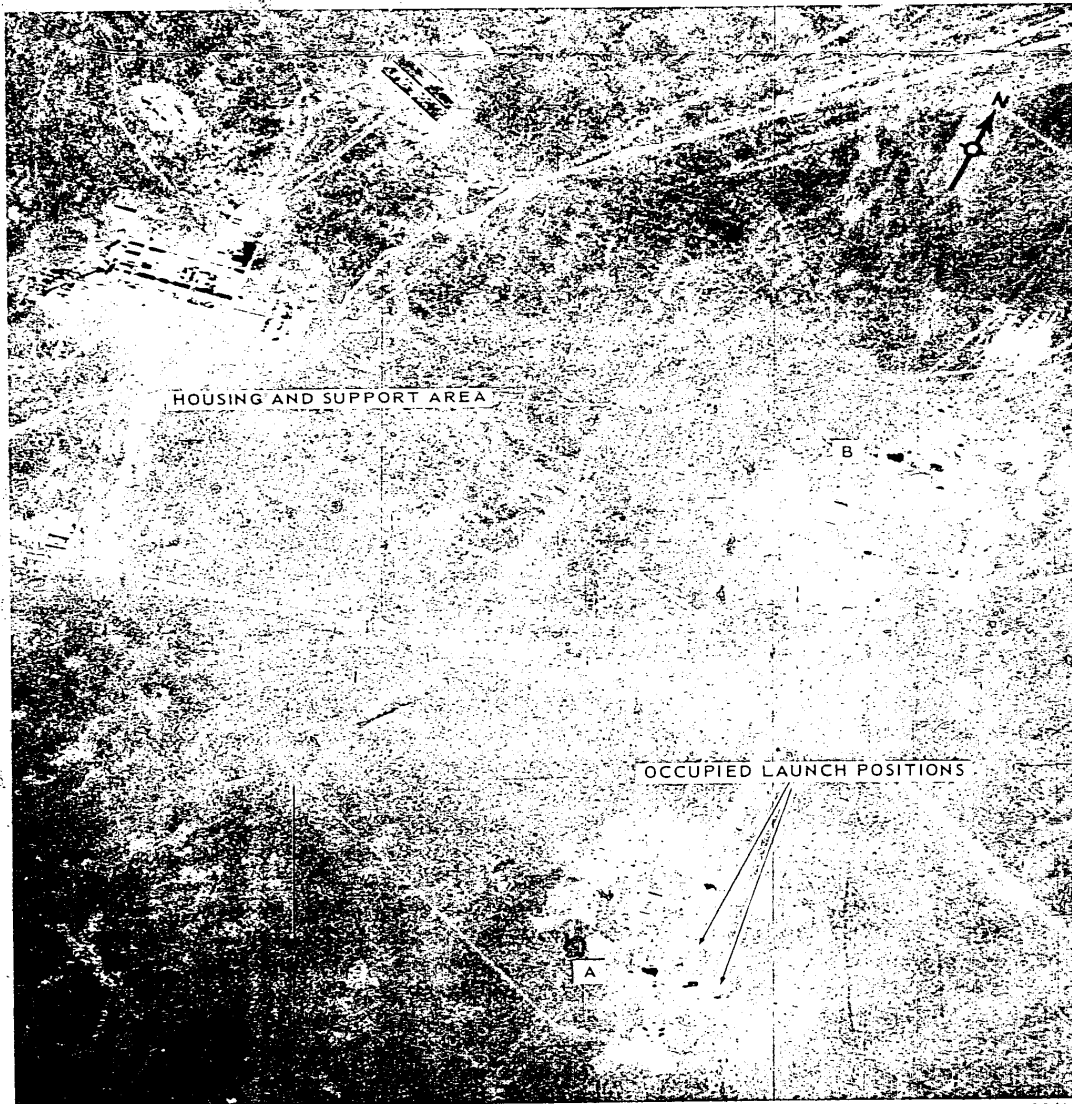
Handle Via
TALENT-KEYHOLE
Control System Only

MISSION: F012, 1, 17-20 OCTOBER 1964

TCS-8470. 64

NPIC R-920/64

ATTACHMENT 20



SAM LAUNCH AREA, SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA

NPIC J-4900 (10/64)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

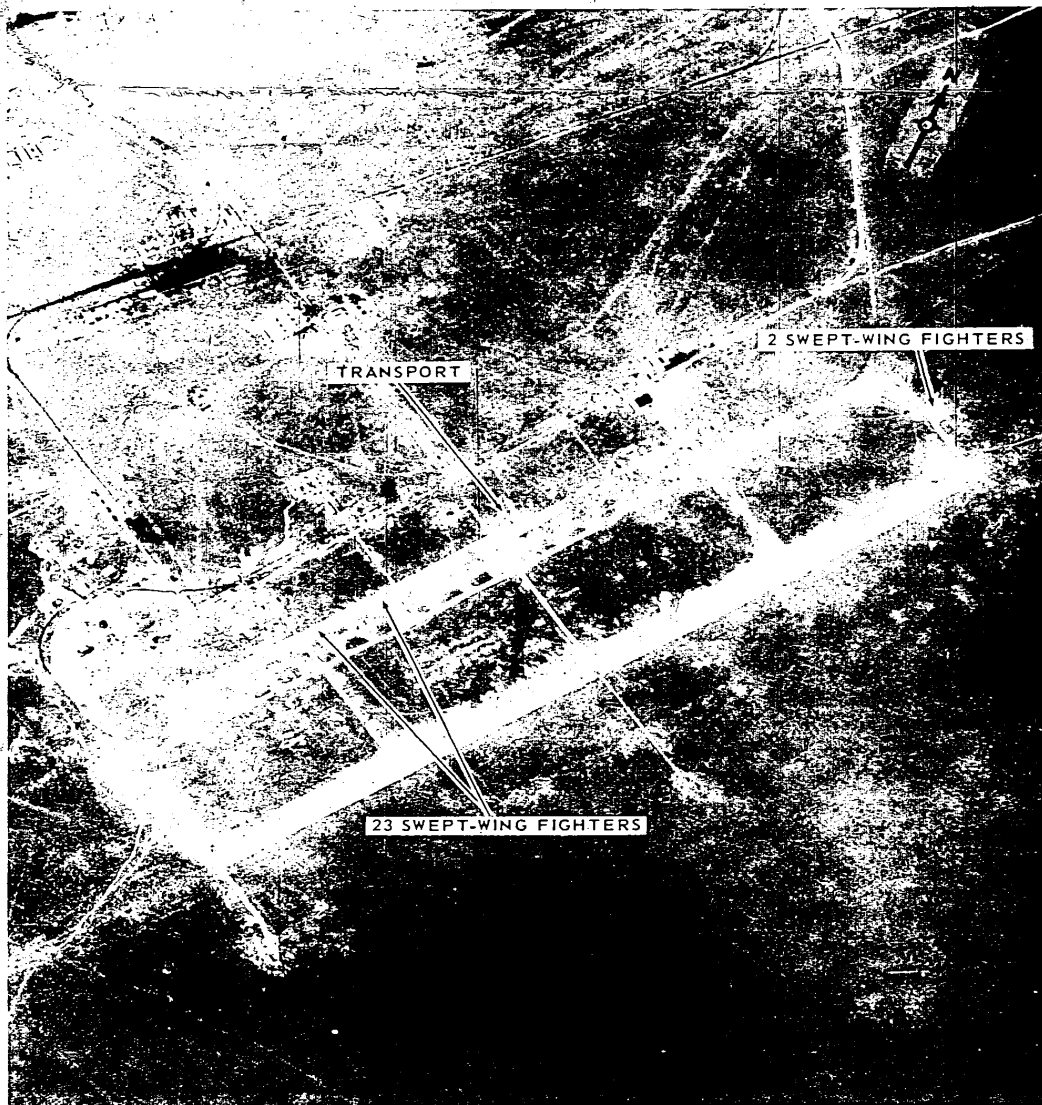
Handle Via
TALENT-KEYHOLE
Control System Only

MISSION 1012-1, 17-20 OCTOBER 1964

TCS-8470/64

NPIC R-920/64

ATTACHMENT 21



AIRFIELD, SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA

NPIC J-4901 (10-64)

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

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